

**CHANGE SHEET #1 FOR THE ADOPTION HEARING OF AN ORDER AMENDING THE
GENERAL PERMIT FOR STORM WATER DISCHARGES FROM SMALL MUNICIPAL
SEPARATE STORM SEWER SYSTEMS**

The following proposed changes are shown in underline [blue] and strikeout [red]. Previous proposed revisions are shown in underline/strikeout [black]. Highlighting was removed for readability.

FRONT PAGE

This Order amends Order 2013-0001-DWQ and becomes effective on:	July 1, 2018 <u>January 1, 2019</u>
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ORDER

The proposed revisions below mostly correct formatting errors in the draft released on December 7, 2017, or change the Effective Date (i.e., January 1, 2019) of the Boards Order to amend Order 2013-0001-DWQ.

On page 5 of the revised Order, the following changes are proposed:

~~E.15.a.~~ Attachment G contains a list of TMDL-specific, BMP-based water quality based effluent limitations (WQBELs) and other permit requirements, applicable to identified permittees, consistent with the assumptions and requirements of the applicable wasteload allocations of the TMDLs.

E.15.b a. ~~WLA, Load Allocations (LA), effluent limitations,[...] Permittees shall comply [...]~~

On page 6 of the revised Order, the following changes are proposed:

~~4)(i)~~ Prior to the deadline to attain the final wasteload allocation, a permittee is deemed in compliance with the requirement in Section C.1 to *reduce the discharge of pollutants to achieve applicable TMDL wasteload allocations*, if the permittee is timely implementing all BMP-based WQBELs and other requirements specified in Attachment G for that TMDL. The permittee may alternatively make a demonstration in accordance with section E.15.a.2 (ii). below.

~~2)(ii)~~ On or after the deadline to attain the final wasteload allocation, a permittee is deemed in compliance with the requirement in Section C.1 to *reduce the discharge of pollutants to achieve applicable TMDL wasteload allocations* if the permittee meets one or more of the criteria in subsections ~~(a)-(g)~~ below. For purposes of this section only, the wasteload allocations specified in the applicable TMDLs (as ~~listed~~ identified in the Fact Sheet) are incorporated by reference.

(a) Receiving water monitoring and analysis [...]

(b) Receiving water monitoring does not demonstrate [...]

(c) Where the wasteload allocation is expressed as a concentration [...]

(d) Where a mass-based wasteload has been allocated to an individual [...]

On page 7 of the revised Order, the following changes are proposed:

- (e) Where a wasteload allocation is expressed as the number of allowable [...]
 - (f) The permittee demonstrates, in a manner approved by the Regional [...]
 - (g) The permittee demonstrates the attainment of the wasteload [...]
 - ~~3)(iii)~~ Pursuant to Section D, a permittee deemed in compliance with Section C.1 in accordance with subsections 1) and 2) of this section is also deemed in compliance with the Section D requirement to *not cause or contribute to an exceedance of water quality standards* for the specific pollutants and water bodies addressed.
- E.15.b. In some cases, Attachment G includes dates [...]

On Page 8 of the revised Order, the following changes are proposed:

- ~~4)(i)~~ If the Regional Water Board Executive Officer makes a determination, [...]
Where a final deadline to attain a wasteload allocation is past and the permittee has not demonstrated compliance as specified in Section E.15.a.(ii). above, the permittee may seek a time schedule order pursuant to Water Code section 13300 from the Regional Water Board. [...]
A request to the applicable Regional Water Board for a time schedule order shall include the following information:
 - (a) Any available data demonstrating the current quality [...]
 - (b) A description and chronology of structural controls and [...]
 - (c) Justification of the need for additional time to achieve the requirements;
 - (d) The specific actions the Permittee will take in order to meet [...]
 - (e) A demonstration that the time schedule requested is as [...]

On Page 9 of the revised Order, the following changes are proposed:

- ~~2)(ii)~~ It is not the intention of the State Water Board or the Regional Water Boards to bring an enforcement action for non-attainment of the wasteload allocation where:
 - (a) A permittee is in compliance with a time schedule order's [...]
 - (b) A permittee has in good faith requested a time schedule order [...]
 - (c) A Regional Water Board has initiated proceedings to revise [...]

~~E.15.c. E.15.c The Regional Water Boards are directed to review, [...]~~ The State Water Board may additionally revise this Order[...]

On Page 10 of the revised Order, the following changes are proposed:

E.15.d. The Permittee shall complete and report [...]

- ~~4)(i)~~ A description of BMPs implemented, including types, number, and locations
- ~~2)(ii)~~ All supplemental information and reports required under [...]
- ~~3)(iii)~~ An assessment of the effectiveness of implemented BMPs [...]
- ~~4)(iv)~~ All monitoring data, including a statistical analysis of the data [...]
- ~~5)(v)~~ Based on results of the effectiveness assessment and monitoring[...]

On Page 11 of the revised Order, the following changes are proposed:

~~F.5.i.1.~~~~F.5.i.1.1.~~2. Waste Load Allocations (WLA), Load Allocations (LA), effluent limitations[...]
Attachment G contains a list of TMDL-specific[...]

~~Permittees shall comply with~~ Permittees shall comply with the requirement in Section C.1.'s
~~requirement~~ to reduce the discharge of pollutants [...]

~~a)~~(i) Prior to the deadline to attain the final wasteload allocation, a permittee is deemed in compliance with the requirement in Section C.1 to reduce the discharge of pollutants to achieve applicable TMDL wasteload allocations, if the permittee is timely implementing all BMP-based WQBELs and other requirements specified in Attachment G for that TMDL. The permittee may alternatively make a demonstration in accordance with section F.5.i.1.~~b)~~(ii) below.

~~b)~~(ii) On or after the deadline to attain the final wasteload allocation, a permittee is deemed in compliance with the requirement in Section C.1 to reduce the discharge of pollutants to achieve applicable TMDL wasteload allocations if the permittee meets one or more of the criteria in subsections~~i)-viii)~~(a)-(g) below. For purposes of this section only, the wasteload allocations specified in the applicable TMDLs (as ~~listed~~ identified in the Fact Sheet) are incorporated by reference.

On page 12 of the revised Order, the following changes are proposed:

- ~~i)~~(a) Receiving water monitoring and analysis by the permittee [...]
- ~~ii)~~(b) Receiving water monitoring does not demonstrate attainment [...]
- ~~iii)~~(c) Where the wasteload allocation is expressed as a concentration [...]
- ~~iv)~~(d) Where a mass-based wasteload has been allocated to an individual [...]
- ~~v)~~(e) Where a wasteload allocation is expressed as the number of [...]
- ~~vi)~~(f) The permittee demonstrates, in a manner approved by the Regional [...]
- ~~vii)~~(g) The permittee demonstrates the attainment of the wasteload [...]

On page 13 of the revised Order, the following changes are proposed:

~~e)~~(iii) Pursuant to Section D, a permittee deemed in compliance with [...]

~~These requirements are an enforceable component of this Order.~~

~~F.5.i.2~~~~F.5.i.2.1.~~2. In some cases, dates are given Attachment G includes dates that fall outside[...]

- ~~a)~~(i) If the Regional Water Board Executive Officer makes a determination [...]
Where a final deadline to attain a wasteload allocation is past and the permittee has not demonstrated compliance as specified in Section F.5.i.1.~~b)~~(ii) above, the permittee may seek a time schedule order pursuant to Water Code section 13300 from the Regional Water Board. [...]

On page 14 of the revised Order, the following changes are proposed:

A request to the applicable Regional Water Board for a time schedule order shall include the following information:

- ~~i)~~(a) Any available data demonstrating the current quality of the MS4 [...]
- ~~ii)~~(b) A description and chronology of structural controls and source [...]
- ~~iii)~~(c) Justification of the need for additional time to achieve the requirements;
- ~~iv)~~(d) The specific actions the Permittee will take in order to meet the TMDL [...]

- ~~iv)~~(e) A demonstration that the time schedule requested is as short [...]
- ~~b)~~(ii) It is not the intention of the State Water Board or the Regional Water Boards to bring an enforcement action for non-attainment of the wasteload allocation where:
 - ~~i)~~(a) A permittee is in compliance with a time schedule order's implementation [...]
 - ~~ii)~~(b) A permittee has in good faith requested a time schedule order from [...]
 - ~~iii)~~(c) A Regional Water Board has initiated proceedings to revise the [...]

On page 15 of the revised Order, the following changes are proposed:

~~F.5.i.3.~~~~F.5.i.3.)~~ The Regional Water Boards are directed to review [...]~~The State Water Board may additionally revise this Order [...]~~

~~F.5.i.4.)~~ The Permittee shall complete and have available a report that includes the status [...]

- ~~a)~~(i) A description of BMPs implemented, including types, number, and locations
- ~~b)~~(ii) All supplemental information and reports required under the specific TMDL implementation requirements in Attachment G

On page 16 of the revised Order, the following changes are proposed:

- ~~c)~~(iii) An assessment of the effectiveness of implemented BMPs in [...]
- ~~d)~~(iv) All monitoring data, including a statistical analysis of the data to assess progress towards attainment of wasteload allocations within the TMDLs' specified timeframes
- ~~e)~~(v) Based on results of the effectiveness assessment and monitoring, a description of the additional BMPs that will be implemented to attain wasteload allocations within the TMDLs/ specified timeframes

FACT SHEET

The following revisions reflect the proposed new Effective Date (i.e., January 1, 2019) of the Boards Order to amend Order 2013-0001-DWQ.

On Page 55:

Attachment G incorporates the final attainment~~compliance~~ deadlines for each TMDL; some TMDL attainment~~compliance~~ deadlines are now past. In these instances, the associated wasteload allocations are effective immediately on the effective date of the Order, i.e. ~~July~~ ~~January~~ 1, 2019~~8~~. [...]

The State Water Board delayed the effective date of the Order to ~~July~~ ~~January~~ 1, 2019~~8~~, ~~six months one year~~ following adoption, to allow permittees [...]

On Page 59:

Attachment G of this Order requires the City to ~~develop a plan to control and/or prevent discharges of fine sediment, nutrients, and other oxygen consuming materials~~ implement this plan no later than ~~July~~ ~~January~~ 1, 2019~~7~~. [...]

On Page 102:

“Wasteload Allocations (WLA):

The Federal Correctional Institution Terminal Island, Community Corrections Management Long Beach, and California State University Dominguez Hills, are assigned the following (receiving water) wasteload allocations:[...]”

ATTACHMENT G

The following revisions reflect the proposed new Effective Date (i.e., January 1, 2019) of the Boards Order to amend Order 2013-0001-DWQ.

Page 2, Shasta River Watershed, Temperature & Dissolved Oxygen TMDL

The City of Yreka developed a Plan to minimize, [...] ~~No later than~~ ~~Within four years of approval of the Phase II Small MS4 General Permit~~ July 1, 2018 January 1, 2019, the City of Yreka shall begin implementing the Plan.

Page 3, Napa River, Sediment TMDL

B. Implementation of Sediment Load Allocations (LAs)

- i. To attain the shared load allocation of 27,000 metric tons/year, [...] Specifically, to reduce road-related erosion and protect stream-riparian habitat conditions, ~~the municipalities~~ Napa County shall by ~~September 30, 2017~~ July 1, 2018 ~~October 31, 2014~~ January 1, 2019:
 - [...]
 - Develop ~~By [Hard Date: one year from adoption date]~~ December 3 July 1, 2019 ~~8~~ submit a schedule [...]

Page 4-5, Sonoma Creek Sediment TMDL

B. Implementation of Sediment Load Allocations

- i. To attain the shared load allocation of 2,100 tons/year, [...] To reduce road-related erosion and protect stream-riparian habitat conditions, ~~the municipalities~~ shall implement by July 1, 2018 January 1, 2019 the following actions:
 - [...]
 - Develop ~~By [Hard Date: one year from adoption date]~~ December 31, 2018 July 1, 2019, submit a [...]

Page 6, Napa River Pathogens TMDL

Requirements for Implementing the Napa River Pathogens TMDL Wasteload Allocations

~~Municipalities~~ ~~The Phase II entities identified in this TMDL section shall implement the following actions, effective immediately~~ by July 1, 2018 January 1, 2019, ~~within 18 months of permit adoption:~~

Page 7-8, Sonoma Creek Pathogens TMDL

Requirements for Implementing the ~~Sonoma Creek Pathogens TMDL Wasteload Allocations~~

The Phase II entities identified in this TMDL section ~~Municipalities shall implement the following actions, effective immediately by ~~July 1, 2018~~~~ January 1, 2019; ~~within 18 months of permit adoption:~~

Page 9, Tomales Bay Pathogens TMDL

Requirements for Implementing the ~~Tomales Bay Pathogens TMDL Wasteload Allocations~~

The Phase II entities identified in this TMDL section ~~Municipalities shall implement the following actions, effective immediately by ~~July 1, 2018~~~~ January 1, 2019; ~~within 18 months of permit adoption:~~

Page 10, Richardson Bay Pathogens TMDL

Requirements for Implementing the ~~Richardson Bay Pathogens TMDL Wasteload Allocations~~

The Phase II entities identified in this TMDL section ~~Municipalities shall implement the following actions, effective immediately by ~~July 1, 2018~~~~ January 1, 2019; ~~within 18 months of permit adoption:~~

Page 14-16, Morro Bay and Chorro and Los Osos Creeks Pathogens TMDL

~~Provisions~~Requirements for Implementing the TMDL

~~Within one year of adoption of this Order~~ Effective immediately ~~By ~~Y July 1, 2018~~~~ January 1, 2019, the Phase II entities identified in this TMDL section [...]

9. If the approved TMDL does not explicitly[...] ~~Where TMDL attainment~~ compliance schedules have passed, but Wasteload Allocations have not been achieved by ~~[Hard Date, date of adoption]~~ December 3 January 1, 2019 ~~7~~, the MS4 shall [...]. At least one interim target and date must occur during the ~~first~~ five years ~~term of this Order~~ commencing on December 3 January 1, 2018 ~~7~~. [...]

~~All allocations shall be achieved by November 19, 2013. The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations were required to be achieved by November 19, 2013, and are effective immediately. By ~~July~~ January 1, 2019 ~~8~~, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.~~

Page 16-17, Watsonville Slough Pathogen TMDL

~~Effective immediately~~ By ~~July~~ January 1, 2019~~8~~⁷, the Phase II entities identified in this TMDL section[...]

9. If the approved TMDL does not explicitly[...] ~~Where TMDL attainment compliance schedules have passed, but Wasteload Allocations have not been achieved by [Hard Date, date of adoption]~~ ~~December 3~~ January 1, 2019~~8~~⁷, the MS4 shall [...] At least one interim target and date must occur during the ~~first~~ five years term of this Order commencing on ~~December 3~~ January 1, 2019~~7~~⁷. [...]

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations were required to be achieved by November 19, 2013, and are effective immediately. By July January 1, 2019~~8~~⁷, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.~~

Pages 18-20, Pajaro River, et al, Fecal Coliform TMDL

~~Requirements~~Provisions for Implementing the TMDL

~~Effective immediately~~ By ~~July~~ January 1, 2019~~8~~⁷, Within one year of adoption of this Order the Phase II entities identified in this TMDL section[...]

9. If the approved TMDL does not explicitly[...] At least one interim target and date must occur during the ~~first~~ five years term of this Order commencing on ~~December 3~~ January 1, 2019~~7~~⁷. [...]

Pages 21-23, Morro Bay, Sediment TMDL

~~Requirements~~Provisions for Implementing the TMDL

~~Effective immediately~~ By ~~July~~ January 1, 2019~~8~~⁷, The County of San Luis Obispo shall implement practices [...]

- ~~8.9.~~ If the approved TMDL does not explicitly [...] At least one interim target and date must occur during the first five-years commencing on ~~period or by~~ ~~December 3~~ January 1, 2019~~21~~¹⁷, whichever is sooner. [...]

Pages 23-25, San Lorenzo River, Sediment TMDL

~~Requirements~~Provisions for Implementing the TMDL

~~Effective immediately~~ By ~~July~~ January 1, 2019~~8~~⁷, The Phase II entities identified in this TMDL section[...]

- ~~8.9.~~ If the approved TMDL does not explicitly [...] At least one interim target and date must occur during the first five-years commencing on ~~period or by~~ ~~December 3~~ January 1, 2019~~21~~¹⁷, whichever is sooner. [...]

Pages 27-29, San Luis Obispo Creek, Pathogen TMDL

~~Requirements~~Provisions for Implementing the TMDL

[...] ~~Effective immediately~~ By ~~July~~ January 1, 2019~~8~~⁷, Within one year of adoption of this Order, the Phase II entities identified in this TMDL section[...]

~~8.9. If the approved TMDL does not explicitly [...]Where TMDL attainment compliance schedules have passed, but Wasteload Allocations have not been achieved by [Hard Date, date of adoption]~~ ~~December 3~~ January 1, 2019~~17~~, the MS4 shall consult with the Regional Water Board to establish dates to meet new interim targets and to achieve wasteload allocations. At least one interim target and date must occur during the first five-years term of this Order commencing on ~~December 3~~ January 1, 2019~~17~~. [...]

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The wasteload allocations were required to be achieved by July 25, 2015, and are therefore effective immediately. All allocations shall be achieved no later than July 25, 2015. By July~~ January 1, 2019~~8~~, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.

Pages 29-30, San Luis Obispo Creek, Nitrate-Nitrogen TMDL

RequirementsProvisions for Implementing the TMDL

~~Effective immediately~~ By July January 1, 2019~~8~~, ~~the~~ the Phase II entities identified in this TMDL section[...]

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the target date to achieve the TMDL is during or before year 2012. The allocations are therefore effective immediately. By July~~ January 1, 2019~~8~~, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.

Pages 30-32, Corralitos and Salsipuedes Creeks, Fecal Coliform TMDL

RequirementsProvisions for Implementing the TMDL

~~Effective immediately~~ By July January 1, 2019~~8~~, ~~Within one year of adoption of this order, the County of Santa Cruz and the City of Watsonville (hereafter referred to in this TMDL section as MS4) shall each develop, submit, and begin implementation of~~ implement a Wasteload Allocation Attainment Program that identifies the actions they will take to attain their wasteload allocations. ~~By [Hard Date: one year from adoption],~~ ~~December 3~~ January 1, 2019~~18~~ the Santa Cruz County Fairgrounds (hereafter referred to in this TMDL section as “the MS4”)shall develop, submit, and begin implementation of a Wasteload Allocation Attainment Program that identifies the actions they will take to attain their waste load allocations. The Wasteload Allocation Attainment Programs shall include: [...]

~~8.9. If the approved TMDL does not explicitly [...]At least one interim target and date must occur during the first five-yearsperiod or by commencing on~~ ~~December 3~~ January 1, 2019~~17~~, whichever is sooner. [...]

Pages 32-34, Lower Salinas River Watershed, Fecal Coliform TMDL

RequirementsProvisions for Implementing the TMDL

~~Effective immediately~~ By July January 1, 2019~~8~~, ~~Within one year of adoption of this Order, the County of Monterey (hereafter referred to in this TMDL section as “the MS4”)[...]~~

~~7.9. If the approved TMDL does not explicitly [...]At least one interim target and date must occur during the first five-years period or by~~ commencing on ~~December 3~~ January 1, 2019~~17~~. [...]

Pages 34-36, San Lorenzo River Estuary, et al, Pathogens TMDL

ProvisionsRequirements for Implementing the TMDL

Effective immediately ~~By July January 1, 20198,~~ By June 30, 2013, the Phase II entities identified in this TMDL section[...]

~~8.9. If the approved TMDL does not explicitly [...]~~At least one interim target and date must occur during the first five-years period ~~or bycommencing on December 3January 1, 20192117.~~
[...]

Pages 36-38, Soquel Lagoon, Soquel Creek and Noble Gulch, Pathogens TMDL

ProvisionsRequirements for Implementing the TMDL

Effective immediately ~~By July January 1, 20198,~~ By June 30, 2013, the Phase II entities identified in this TMDL section[...]

~~8.9. If the approved TMDL does not explicitly [...]~~At least one interim target and date must occur during the first five-years period ~~or bycommencing on December 3January 1, 20192117.~~
[...]

Pages 39-41, Aptos Creek, Valencia Creek and Trout Gulch, Pathogens TMDL

ProvisionsRequirements for Implementing the TMDL

Effective immediately ~~By July January 1, 20198,~~ By June 30, 2013, the County of Santa Cruz (hereafter referred to in this TMDL section as “the MS4”) [...]

~~8.9. If the approved TMDL does not explicitly [...]~~At least one interim target and date must occur during the first five-years period ~~or bycommencing on December 3January 1, 20192117.~~
[...]

Pages 41-42, Santa Maria River Watershed, Fecal Indicator Bacteria TMDL

Requirements for Implementing the TMDL

~~By [Hard Date: four months from adoption]~~ ~~July January 1, 20198,~~ the Phase II entities identified in this TMDL section (hereafter referred to in this TMDL section as “the MS4”) [...]

9. The MS4 shall establish interim targets [...] At least one interim target and date must occur during the first five-years period ~~or bycommencing on December 3January 1, 20192117,~~ whichever is sooner.

Page 43-44, Lower Santa Maria River Watershed and Tributaries to Oso Flaco Lake, Nitrogen Compounds and Orthophosphate TMDL

Requirements for Implementing the TMDL

~~By [Hard Date: four months from adoption]~~ ~~July January 1, 20198,~~ the Phase II entities identified in this TMDL section (hereafter referred to in this TMDL section as “the MS4”) [...]

Pages 45-46, Lower Salinas River and Reclamation Canal Basin and the Moro Cojo Slough Subwatershed, Nitrogen Compounds and Orthophosphate TMDL

Requirements for Implementing the TMDL

~~By [Hard Date: Within four months from adoption]~~ ~~July January 1, 20198,~~ the County of Monterey (hereafter referred to in this TMDL section as “the MS4”) [...]

Pages 46-48, Santa Maria River Watershed, Toxicity and Pesticides TMDL

Requirements for Implementing the TMDL

By ~~[Hard Date: four months from adoption]~~ ~~July~~ ~~January~~ 1, 2019~~8~~, the Phase II entities identified in this TMDL section (hereafter referred to in this TMDL section as “the MS4”) [...]

Page 49-50, Santa Monica Bay Beaches, Bacteria TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees, [...] Such notification shall be provided by ~~[Hard Date: 6 Months from adoption]~~ ~~July~~ ~~January~~ 1, 2019~~8~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~ ~~July~~ 1, 2019~~18~~, and shall be submitted to the Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~[Hard Date: 12 months from adoption]~~ ~~December 3~~ ~~July~~ 1, 2019~~18~~.

[...]

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the target dates to achieve the final wasteload allocations is July 15, 2006 (to achieve dry weather wasteload allocations during the summer period from April 1 – October 31); By ~~July~~ ~~January~~ 1, 2019~~8~~, the permittees shall demonstrate attainment of the summer period Dry Weather WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order. November 1, 2009 (to achieve dry weather wasteload allocations during the winter period from November 1 – March 31); By ~~July~~ ~~January~~ 1, 2019~~8~~, the permittees shall demonstrate attainment of the winter period Dry Weather WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order. [...]~~

Pages 51-52, Los Angeles River, Nitrogen and Related Effects TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees, [...] Such notification shall be provided by ~~[Hard Date: 6 Months from adoption]~~ ~~July~~ ~~January~~ 1, 2019~~8~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~ ~~July~~ 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~[Hard Date: 12 months from adoption]~~ ~~December 3~~ ~~July~~ 1, 2019~~18~~.

[...]

The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final wasteload allocations are to be achieved by March 23, 2004. The allocations are therefore effective immediately. By ~~July~~ January 1, 20198, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.

Pages 52-53, Los Angeles Harbor, Bacteria TMDL
Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees. [...] Such notification shall be provided by ~~[Hard Date: 6 Months from adoption]~~ ~~July~~ January 1, 20198, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~ July 1, 20198, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...] The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~[Hard Date: 12 months from adoption]~~ ~~December 3~~ July 1, 20198.
[...]

The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final wasteload allocations are to be achieved by March 10, 2010. The allocations are therefore effective immediately. By ~~[Hard Date: Effective date]~~ ~~July~~ January 1, 20198, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.

Pages 53-54, Calleguas Creek Watershed, Toxicity TMDL
Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees. [...] Such notification shall be provided by ~~[Hard Date: 6 Months from adoption]~~ ~~July~~ January 1, 20198, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~ July 1, 20198, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...] The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~[Hard Date: 12 months from adoption]~~ ~~December 3~~ July 1, 20198.
[...]

The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final wasteload allocations are to be achieved by March 24, 2008. The allocations are therefore effective immediately. By ~~July~~ January 1, 2019~~8~~, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.

Pages 54-55, Calleguas Creek, Organochlorine Pesticides, Polychlorinated Biphenyls, and Siltation TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees. [...] Such notification shall be provided by ~~[Hard Date: 6 Months from adoption]~~ ~~July~~ January 1, 2019~~8~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~ July 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~[Hard Date: 12 months from adoption]~~ ~~December 3~~ July 1, 2019~~18~~.

Pages 56-57, Calleguas Creek, Metals and Selenium TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees. [...] Such notification shall be provided by ~~[Hard Date: 6 Months from adoption]~~ ~~July~~ January 1, 2019~~8~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~ July 1, 2019~~18~~, and shall be submitted to the Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~[Hard Date: 12 months from adoption]~~ ~~December 3~~ July 1, 2019~~18~~.

Pages 57-58, Ballona Creek, Bacteria TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees. [...] Such notification shall be provided by ~~[Hard Date: 6 Months from adoption]~~ ~~July~~ January 1, 2019~~8~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~ July 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from adoption] ~~December 3~~ July 1, 2019~~18~~.

[...]

The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final wasteload allocations during dry weather are to be achieved by April 27, 2013; By [Hard Date: effective date] ~~July~~ January 1, 2019~~8~~, the permittees shall demonstrate[...]

Pages 58-59, Santa Monica Bay, Marine Debris TMDL

Requirements for Implementing the TMDL:

By [Hard Date: six months from adoption] ~~July~~ January 1, 2019~~8~~, the Department of Parks and Recreation (at Point Dume State Beach and Robert H. Meyer Memorial State Beach) [...]

The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The final wasteload allocations The TMDL specifies that all wasteload allocations shall be achieved by March 20, 2017. By ~~July~~ January 1, 2019~~8~~, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.

Pages 60-61, Los Angeles and Long Beach Harbors, Toxics and Metals TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees, [...] Such notification shall be provided by [Hard Date: 6 Months from adoption] ~~July~~ January 1, 2019~~8~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized within one year of adoption of these permit amendments by ~~December 3~~ July 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by [Hard Date: 12 months from adoption] ~~December 3~~ July 1, 2019~~18~~.

Pages 61-62, Los Angeles River, Bacteria TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees, [...] Such notification shall be provided by [Hard Date: 6 Months from adoption] ~~July~~ January 1, 2019~~8~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized within one year of adoption of these permit amendments by ~~December 3~~ July 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~[Hard Date: 12 months from adoption]~~ ~~December 3~~ July 1, 2019~~18~~.

Pages 64-65, Los Angeles River and Tributaries, Metals TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees, [...] Such notification shall be provided by ~~[Hard Date: 6 Months from adoption]~~ ~~July~~ January 1, 2019~~18~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~ July 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~[Hard Date: 12 months from adoption]~~ ~~December 3~~ July 1, 2019~~18~~.

Pages 65-66, Ballona Creek, Metals TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees, [...] Such notification shall be provided by ~~[Hard Date: 6 Months from adoption]~~ ~~July~~ January 1, 2019~~18~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~ July 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~[Hard Date: 12 months from adoption]~~ ~~December 3~~ July 1, 2019~~18~~.

[...]

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The final wasteload allocations during wet weather shall be achieved by January 11, 2016~~ ~~July~~ January 1, 2019~~18~~, the permittees shall demonstrate[...]

Pages 66-67, San Gabriel River and Impaired Tributaries, Metals and Selenium TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees, [...] Such notification shall be provided by July January 1, 2019~~18~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized by ~~December 3~~ July 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~December 3~~July 1, 2019~~18~~.

Pages 67-68, San Gabriel River and Impaired Tributaries, Indicator Bacteria TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees, [...] Such notification shall be provided by ~~July~~ January 1, 2019~~98~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized by ~~December 3~~July 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by ~~December 3~~July 1, 2019~~18~~.

Pages 68-69, Los Cerritos Channel, Metals TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees, [...] Such notification shall be provided by [~~Hard Date: 6 Months from adoption~~] ~~July~~ January 1, 2019~~98~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~July 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by [~~Hard Date: 12 months from adoption~~] ~~December 3~~July 1, 2019~~18~~.

Pages 70-71, Ballona Creek Estuary, Toxic Pollutants TMDL

Requirements for Implementing the TMDL:

[...]

1. Enter in a cooperative agreement with Phase I MS4 Permittees, [...] Such notification shall be provided by [~~Hard Date: 6 Months from adoption~~] ~~July~~ January 1, 2019~~98~~, and shall identify the Phase I MS4 Permittee(s) and the WMP or EWMP that the Permittee intends to participate in. The cooperative agreement shall be finalized ~~within one year of adoption of these permit amendments~~ by ~~December 3~~July 1, 2019~~18~~, and shall be submitted to the Los Angeles Regional Water Board Executive Officer upon finalization.

or alternatively,

2. Propose a program plan for attaining the wasteload allocation(s). [...]

The Program Plan must be submitted for Los Angeles Regional Water Board Executive Officer approval by [~~Hard Date: 12 months from adoption~~] ~~December 3~~July 1, 2019~~18~~.

Pages 71-72, Ballona Creek, Trash TMDL

Requirements for Implementing the TMDL:

[...]

~~An alternative attainment compliance approach to implementing either 1) a Full Capture System or 2) partial capture devices and the application of institutional controls must be submitted for approval by the Los Angeles Regional Water Board Executive Officer. By [Hard Date: 1 year from adoption] December 3, 2019, MS4 Permittees [...]~~

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLA (0% of baseload discharged) is to be achieved by September 30, 2015. The allocations are therefore effective immediately. By July January 1, 2019, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.~~

Pages 72-73, Los Angeles River, Trash TMDL

Requirements for Implementing the TMDL:

[...]

~~An alternative attainment compliance approach to implementing either 1) a Full Capture System or 2) partial capture devices and the application of institutional controls must be submitted for approval by the Los Angeles Regional Water Board Executive Officer. By [Hard Date: 1 year from adoption] December 3, 2019, MS4 Permittees [...]~~

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLA (0% of baseload discharged) are to be achieved by September 30, 2016. The allocations are therefore effective immediately. By July January 1, 2019, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.~~

Page 73, Ventura River Estuary, Trash TMDL

Requirements for Implementing the TMDL:

[...]

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final wasteload allocations are to be achieved by March 6, 2016. The allocations are therefore effective immediately. By July January 1, 2019, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.~~

Pages 74-77, San Joaquin River, Diazinon & Chlorpyrifos TMDL

Provisions Requirements for Implementing the Control Program TMDL and Monitoring Requirements:

~~The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL section) shall implement the following actions, effective immediately by July January 1, 2019:~~

- ~~1.a. Conduct an assessment: By [Hard Date: one two year from effective date] December 3, 2020, the Permittees shall complete and submit to the Central Valley Regional Water Board Executive Officer~~

[...]

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLAs are to be achieved by December 1, 2010. The allocations are therefore effective immediately. July January 1, 2019, the permittees shall~~

demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.

Pages 77-81, Sacramento and San Joaquin Delta, Diazinon and Chlorpyrifos TMDL

Provisions Requirements for Monitoring and Implementing the Control Program TMDL:

The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL section) shall implement the following actions, effective immediately by ~~July January 1, 2019~~:

- 1.a. Conduct an assessment: By ~~[Hard Date: one two year from effective date]~~ ~~December 3 July 1, 2020~~19, the Permittees shall complete and submit to the Central Valley Regional Water Board Executive Officer

[...]

The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLAs are to be achieved bBy ~~December 1, 2011~~. The allocations are therefore effective immediately. ~~July January 1, 2019~~, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.

Pages 82-86, Sacramento and Feather Rivers, Diazinon and Chlorpyrifos TMDL

Provisions Requirements for Monitoring and Implementing the TMDL:

The Phase II entities identified in this TMDL section (hereinafter referred to as Permittees in this TMDL section) shall implement the following actions, effective immediately by ~~July January 1, 2019~~:

- 1.a. Conduct an assessment: By ~~[Hard Date: one two year from effective date]~~ ~~December 3 July 1, 2020~~19, the Permittees shall complete and submit to the Central Valley Regional Water Board Executive Officer

[...]

The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLAs are to be achieved bBy ~~December 1, 2011~~. The allocations are therefore effective immediately. ~~July January 1, 2019~~, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.

Pages 86-89, Lower San Joaquin River, San Joaquin River, Stockton Deep Water Ship Channel, Organic Enrichment and Low Dissolved Oxygen TMDL

Provisions Requirements for Implementing the Control Program TMDL:

[...]

Monitoring Provisions:

1. By ~~[Hard Date: one year from the effective date]~~ ~~July January 1, 2020~~19, Renewal Permittees, as identified within the Designation Criteria [...]

[...]

The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLAs are to be achieved bBy ~~December 31, 2011~~. The allocations are therefore effective immediately. ~~July January 1, 2019~~, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.

Pages 94-96, Clear Lake, Nutrients TMDL

Provisions Requirements for Implementing the Control Program TMDL:

[...]

Monitoring Provisions:

1. By ~~[Hard Date: 6 months from the effective date]~~ ~~December 3~~ July 1, 2019~~18~~, each Permittee shall incorporate individual monitoring [...]

[...]

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLAs are to be achieved b~~By ~~June 19, 2017~~ July January 1, 2019~~8~~, the permittees shall demonstrate attainment of the TMDL WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.[...]

Page 99, San Diego Creek, Upper and Lower Newport Bay, Organochlorine Compounds TMDL
Requirements for Implementing the TMDL:

1. Per the Small MS4[...]

~~Therefore, the Permittees must initiate consultation with Regional Water Board staff by [Hard Date: 1 month from effective date]~~August February 1, 2019~~8~~ to determine the[...]

2. As a result [...] the Permittees shall submit their final TMDL Attainment Compliance Plan by ~~[Hard Date: 13 months from effective date]~~ August February 1, 2020~~19~~[...]

Pages 100-101, Middle Santa Ana River, Bacterial Indicator TMDL

Requirements for Implementing the TMDL:

[...]

1. Monitoring Program: By ~~[Hard Date: 6 months from adoption]~~ July January 1, 2019~~8~~ submit for approval by the Regional Water Board [...]

2. By ~~[Hard Date: 6 months from adoption]~~ July January 1, 2019~~8~~, either a) develop a facility-specific [...]

[...]

~~The wasteload allocations identified in the Fact Sheet of this Order are incorporated by reference. The TMDL specifies that the final WLAs for Dry Weather are to be achieved b~~By December 31, 2015. July January 1, 2019~~8~~, the permittees shall demonstrate attainment of the Dry Weather WLA as specified in Section E.15.a.2. or F.5.i.1.b. of this Order.[...]

Pages 104-106, Twenty Beaches and Creeks in San Diego Region, Indicator Bacteria TMDL
Requirements for Implementing the Bacteria Project I –Twenty Beaches and Creeks TMDL

[...]

2. By ~~[Hard Date: 3 months from adoption date]~~ December July 1, 2019~~18~~ monitor discharges from their facilities [...]

Pages 106-107, Los Penasquitos Lagoon, Sediment TMDL

Requirements for Implementing the TMDL:

[...]

1. Develop and implement [...]The SWPPP must be updated by ~~[Hard Date: 12 months from adoption]~~ December 3 July 1, 2019~~18~~ with any additional BMPs, [...]

2. By ~~[Hard Date: 3 months from adoption date]~~ July March 1, 2019~~18~~ monitor sediment discharges from their facilities [...]